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Role of phosphorylation in determining the backbone dynamics of the serine/threonine-proline motif and Pin1 substrate recognition.
Biochemistry. 1998 Apr 21;37(16):5566-75.
PMID: 9548941 [PubMed - indexed for MEDLINE]

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Non-proline cis peptide bonds in proteins.
J Mol Biol. 1999 Feb 12;286(1):291-304.
PMID: 9931267 [PubMed - indexed for MEDLINE]

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Degradation of proline peptides in peptidase-deficient strains of *Salmonella typhimurium*.
J Bacteriol. 1983 Jan;153(1):350-6.
PMID: 6336737 [PubMed - indexed for MEDLINE]

□ 7: Cunningham DF, O'Connor B. [Related Articles](#) [Links](#)
Proline specific peptidases.
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Evidence that the substrate backbone conformation is critical to phosphorylation by p42 MAP kinase.
FEBS Lett. 2000 Jul 28;478(1-2):39-42.
PMID: 10922466 [PubMed - indexed for MEDLINE]

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Proline specific endo- and exopeptidases.
Mol Cell Biochem. 1980 Apr 18;30(2):111-27. Review.

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 Comparison of proline and N-methylnorleucine induced conformational equilibria in cyclic pentapeptides.
FEBS Lett. 1996 Jun 3;387(2-3):201-7.
 PMID: 8674550 [PubMed - indexed for MEDLINE]

11: Bambula A, Bugno M, Goldstein J, Yen J, Nelson D, Travis J, Potempa J. [Related Articles](#) [Links](#)
 Emerging family of proline-specific peptidases of *Porphyromonas gingivalis*: purification and characterization of serine dipeptidyl peptidase, a structural and functional homologue of mammalian prolyl dipeptidyl peptidase IV.
Infect Immun. 2000 Mar;68(3):1176-82.
 PMID: 10678923 [PubMed - indexed for MEDLINE]

12: Kaspari A, Diefenthal J, Grosche G, Schierhorn A, Demuth HU. [Related Articles](#) [Links](#)
 Substrates containing phosphorylated residues adjacent to proline decrease the cleavage by proline-specific peptidases.
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 PMID: 8652620 [PubMed - indexed for MEDLINE]

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 Prolyl aminopeptidase gene from *Flavobacterium meningosepticum*: cloning, purification of the expressed enzyme, and analysis of its sequence.
Arch Biochem Biophys. 1996 Dec 1;336(1):35-41.
 PMID: 8951032 [PubMed - indexed for MEDLINE]

14: Reimer U, Fischer G. [Related Articles](#) [Links](#)
 Local structural changes caused by peptidyl-prolyl cis/trans isomerization in the native state of proteins.
Biophys Chem. 2002 May 2;96(2-3):203-12.
 PMID: 12034441 [PubMed - in process]

15: Tsikaris V, Sakarellos-Daitiotis M, Tzovaras D, Sakarellos C, Orlewski P, Cung MT, Marraud M. [Related Articles](#) [Links](#)
 Isomerization of the Xaa-Pro peptide bond induced by ionic interactions of arginine.
Biopolymers. 1996 Jun;38(6):673-82.
 PMID: 8652789 [PubMed - indexed for MEDLINE]

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 Vascular, post proline cleaving enzyme: metabolism of vasoactive peptides.
Adv Exp Med Biol. 1986;198 Pt A:397-404.
 PMID: 3544718 [PubMed - indexed for MEDLINE]

17: Fischer G, Heins J, Barth A. [Related Articles](#) [Links](#)
 The conformation around the peptide bond between the P1- and P2-positions is important for catalytic activity of some proline-specific proteases.
Biochim Biophys Acta. 1983 Feb 15;742(3):452-62.
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18: Muller G, Giurath M, Kurz M, Kessler H. [Related Articles](#) [Links](#)
 Beta VI turns in peptides and proteins: a model peptide mimicry.
Proteins. 1993 Mar;15(3):235-51.
 PMID: 8456095 [PubMed - indexed for MEDLINE]

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 Dipeptidyl aminopeptidase IV and aminopeptidase P, two proline specific enzymes from the cytoplasm of guinea-pig brain: their role in metabolism of peptides containing consecutive prolines.
Neurosci Res. 1999 May;34(1):1-11.

20: Mentlein R, Gallwitz B, Schmidt WE.

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 Dipeptidyl-peptidase IV hydrolyses gastric inhibitory polypeptide, glucagon-like peptide-1(7-36)amide, peptide histidine methionine and is responsible for their degradation in human serum.

Eur J Biochem. 1993 Jun 15;214(3):829-35.

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 3: Munson M, O'Brien R, Sturtevant JM, Regan L.

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 Kinetics of complementary RNA-RNA interaction involved in plasmid ColE1 copy number control.
J Mol Biol. 1989 Jul 20;208(2):245-55.
PMID: 2475639 [PubMed - indexed for MEDLINE]

 6: Giza PE, Huang RC.

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 A self-inducing runaway-replication plasmid expression system utilizing the Rop protein.
Gene. 1989 May 15;78(1):73-84.
PMID: 2670683 [PubMed - indexed for MEDLINE]

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Regulation of neuropeptides

Proteolytic processing of neuropeptide Y and peptide YY by dipeptidyl peptidase IV.

Mentlein R, Dahms P, Grandt D, Kruger R.

Anatomisches Institut, Universitat Kiel, Germany.

Neuropeptide Y, peptide YY and pancreatic polypeptide share an evolutionary conserved proline-rich N-terminal sequence, a structure generally known to be inert to the attack of common proteinases, but a potential target for specialized proline-specific aminopeptidases. Purified human dipeptidyl peptidase IV (also termed CD 26) liberated N-terminal Tyr-Pro from both, neuropeptide Y and peptide YY, with very high specific activities and K_m values in the micromolar range, but almost no Ala-Pro from pancreatic polypeptide. Other proline-specific aminopeptidases exhibited low (aminopeptidase P, liberation of N-terminal Tyr) or totally no activity (dipeptidyl peptidase II), as was also observed with less-specific aminopeptidases (aminopeptidase M, leucine aminopeptidase). When human serum was incubated with neuropeptide Y or peptide YY at micro- and nanomolar concentrations, Tyr-Pro was detected as a metabolite of both peptides. Formation of Tyr-Pro in serum was blocked in the presence of Lys-pyrrolidine and diprotin A (Ile-Pro-Ile), specific, competitive inhibitors of dipeptidyl peptidase IV. Incubation of neuropeptide Y or peptide YY with immunocytochemically defined, cultivated endothelial cells from human umbilical cord also yielded Tyr-Pro. Dipeptidyl peptidase IV could be immunostained on most endothelial cells by a specific antibody. We suggest that dipeptidyl peptidase IV might be involved in the degradation of neuropeptide Y and peptide YY to N-terminal truncated neuropeptide Y(3-36) and peptide YY(3-36). Since specific binding to Y1, but not to Y2 subtype of neuropeptide Y/peptide YY receptors requires intact N- as well as C-termini of neuropeptide Y and peptide YY, removal of their amino-terminal dipeptides by dipeptidyl peptidase IV inactivates them for binding to one receptor subtype.

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Proline motifs in peptides and their biological processing.

Vanhoof G, Goossens F, De Meester I, Hendriks D, Scharpe S.

Department of Clinical Biochemistry, University of Antwerp, Wilrijk, Belgium.

Many biologically important peptide sequences contain proline. It confers unique conformational constraints on the peptide chain in that the side-chain is cyclized back onto the backbone amide position. Inside an alpha-helix the possibility of making hydrogen bonds to the preceding turn is lost and a kink will be introduced. The conformational restrictions imposed by proline motifs in a peptide chain appear to imply important structural or biological functions as can be deduced from their often remarkably high degree of conservation as found in many proteins and peptides, especially cytokines, growth factors, G-protein-coupled receptors, V3 loops of the HIV envelope glycoprotein gp 120, and neuro- and vasoactive peptides. Only a limited number of peptidases are known to be able to hydrolyze proline adjacent bonds. Their activity is influenced by the isomeric state (cis-trans) as well as the position of proline in the peptide chain. The three proline specific metallo-peptidases (aminopeptidase P, carboxypeptidase P and prolidase) are activated by Mn²⁺, whereas the three serine type peptidases cleaving a post proline bond (prolyl oligopeptidase, dipeptidyl peptidase IV, and prolylcarboxypeptidase) share the sequential order of the catalytic Ser-Asp-His triad, which differentiates them from the chymotrypsin (His-Asp-Ser) and subtilisin (Asp-His-Ser) families. An endo or C terminal Pro-Pro bond and an endo pre-Pro peptide bond possess a high degree of resistance to any mammalian proteolytic enzyme.

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Primary structure of a novel human salivary acidic proline-rich protein.

Schlesinger DH, Hay DI, Schluckebier SK, Ahern JM.

Department of Medicine, New York University Medical Center, New York 10016.

Human salivary acidic proline-rich proteins (PRPs) form a significant fraction of the total salivary protein and fulfill several biologically important roles in the oral cavity. Five commonly occurring PRP polymorphisms, Db, Pa, PIF, Pr2 and Pr1, have been identified, their structures determined, and several uncommon polymorphisms (frequencies < 1:100) have been reported. Most PRPs occur as protein pairs, because of an unusual, limited but well-controlled post-translational cleavage. We now describe an additional uncommon polymorphism, found in the saliva of one of 127 individuals examined in a recent study, identified by high performance anion-exchange liquid chromatography. By analogy with previous terminology, we designate this protein pair as PRP-5, for the primary 150-residue polypeptide gene product, and PRP-6, for the secondary 106-residue cleavage product. Amino acid analysis of intact PRP-6 and sequence determination of PRP-6 chymotryptic peptides, residues 15-24 and 26-35, show a single difference in PRP-6, compared to the most similar, characterized PRP, PRP-4, in that residue 30 is histidine in PRP-6, rather than arginine as in PRP-4 and in all the other sequenced PRPs. This substitution may have implications for the resistance of this polymorphic variant to degradation by trypsin-like enzymes originating from the oral microflora.

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 Role of aromatic side chains in the binding of volatile general anesthetics to a four-alpha-helix bundle.

Biochemistry. 2002 Mar 26;41(12):4080-7.

PMID: 11900551 [PubMed - indexed for MEDLINE]

2: Kresse HP, Czubayko M, Nyakatura G, Vriend G, Sander C, Bloecker H.[Related Articles](#) [Links](#)

 Four-helix bundle topology re-engineered: monomeric Rop protein variants with different loop arrangements.

Protein Eng. 2001 Nov;14(11):897-901.

PMID: 11742109 [PubMed - indexed for MEDLINE]

3: Willis MA, Bishop B, Regan L, Brunger AT.[Related Articles](#) [Links](#)

 Dramatic structural and thermodynamic consequences of repacking a protein's hydrophobic core.

Structure Fold Des. 2000 Dec 15;8(12):1319-28.

PMID: 11188696 [PubMed - indexed for MEDLINE]

4: Girelli D, Richardson JS, Richardson DC, Mutter M.[Related Articles](#) [Links](#)

 SymROP: ROP protein with identical helices redesigned by all-atom contact analysis and molecular dynamics.

J Mol Graph Model. 2000 Jun;18(3):290-8, 309-10.

PMID: 11021545 [PubMed - indexed for MEDLINE]

5: Spyridaki A, Glykos NM, Kotsifaki D, Fadouoglou VE, Kokkinidis M.[Related Articles](#) [Links](#)

 Crystallization and diffraction to ultrahigh resolution (0.8 Å) of a designed variant of the Rop protein.

Acta Crystallogr D Biol Crystallogr. 2000 Aug;56 (Pt 8):1015-6.

PMID: 10944340 [PubMed - indexed for MEDLINE]

6: Rosengarth A, Rosgen J, Hinz HJ.[Related Articles](#) [Links](#)

 Slow unfolding and refolding kinetics of the mesophilic Rop wild-type protein in the transition range.

Eur J Biochem. 1999 Sep;264(3):989-95.

PMID: 10491149 [PubMed - indexed for MEDLINE]

7: Ceruso MA, Grottesi A, Di Nola A[Related Articles](#) [Links](#)

 Effects of core-packing on the structure, function, and mechanics of a four-helix-bundle protein ROP.

Proteins. 1999 Sep 1;36(4):436-46.

PMID: 10450085 [PubMed - indexed for MEDLINE]

8: Nagi AD, Anderson KS, Regan L[Related Articles](#) [Links](#)

 Using loop length variants to dissect the folding pathway of a four-helix-bundle protein.

J Mol Biol. 1999 Feb 12;286(1):257-65.

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Dimer-to-tetramer transformation: loop excision dramatically alters structure and stability of the ROP four alpha-helix bundle protein.
J Mol Biol. 1998 Jun 19;279(4):987-1000.
PMID: 9642076 [PubMed - indexed for MEDLINE]

10: Das S, Balasubramanian S, Regan L. Related Articles. Links

Protein alchemy: changing beta-sheet into alpha-helix.
Nat Struct Biol. 1997 Jul;4(7):548-52.
PMID: 9228947 [PubMed - indexed for MEDLINE]

11: Munson M, Anderson KS, Regan L. Related Articles. Links

Speeding up protein folding: mutations that increase the rate at which Rop folds and unfolds by over four orders of magnitude.
Fold Des. 1997;2(1):77-87.
PMID: 9080201 [PubMed - indexed for MEDLINE]

12: Nagi AD, Regan L. Related Articles. Links

An inverse correlation between loop length and stability in a four-helix-bundle protein.
Fold Des. 1997;2(1):67-75.
PMID: 9080200 [PubMed - indexed for MEDLINE]

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Grafting of discontinuous sites: a protein modeling strategy.
Protein Eng. 1996 Nov;9(11):931-9.
PMID: 8961346 [PubMed - indexed for MEDLINE]

14: Munson M, Balasubramanian S, Fleming KG, Nagi AD, O'Brien R, Sturtevant JM, Regan L. Related Articles. Links

What makes a protein a protein? Hydrophobic core designs that specify stability and structural properties.
Protein Sci. 1996 Aug;5(8): 1584-93.
PMID: 8844848 [PubMed - indexed for MEDLINE]

15: Predki PF, Agrawal V, Brunger AT, Regan L. Related Articles. Links

Amino-acid substitutions in a surface turn modulate protein stability.
Nat Struct Biol. 1996 Jan;3(1):54-8.
PMID: 8548455 [PubMed - indexed for MEDLINE]

16: Predki PF, Regan L. Related Articles. Links

Redesigning the topology of a four-helix-bundle protein: monomeric Rop.
Biochemistry. 1995 Aug 8;34(31):9834-9.
PMID: 7543279 [PubMed - indexed for MEDLINE]

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Protein Motifs. 7. The four-helix bundle: what determines a fold?
FASEB J. 1995 Aug;9(11) 1013-22. Review.
PMID: 7649401 [PubMed - indexed for MEDLINE]

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Conserved structural features on protein surfaces: small exterior hydrophobic clusters.
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PMID: 7783191 [PubMed - indexed for MEDLINE]

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Redesigning the hydrophobic core of a four-helix-bundle protein.
Protein Sci. 1994 Nov;3(11):2015-22.
PMID: 7535612 [PubMed - indexed for MEDLINE]

20: Vlassi M, Stett C, Weber P, Isernoglu D, Wilson KS, Henz HJ,
Kokkinidis M

bioRxiv preprint doi: <https://doi.org/10.1101/2023.09.11.553322>

 Restored heptad pattern continuity does not alter the folding of a four-alpha-helix bundle.
Nat Struct Biol. 1994 Oct;1(10):706-16.
PMID: 7634075 [PubMed - indexed for MEDLINE]

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 De novo and inverse folding predictions of protein structure and dynamics. *J Comput Aided Mol Des.* 1993 Aug;7(4):397-438. Review.
PMID: 8229093 [PubMed - indexed for MEDLINE]

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 Subunit interactions provide a significant contribution to the stability of the dimeric four-alpha-helical-bundle protein ROP. *Biochemistry.* 1993 Apr 20;32(15):3867-76.
PMID: 8471599 [PubMed - indexed for MEDLINE]

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 Proposed structure for the DNA-binding domain of the helix-loop-helix family of eukaryotic gene regulatory proteins. *Protein Eng.* 1993 Jan;6(1):41-50.
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 Hybrid Rop-pIII proteins for the display of constrained peptides on filamentous phage capsids. *Ann Biol Clin (Paris).* 1993;51(10-11):917-22. Review.
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26: Eberle W, Pastore A, Sander C, Rosch P.

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 The structure of ColE1 rop in solution. *J Biomol NMR.* 1991 May;1(1):71-82.
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 Proton nuclear magnetic resonance assignments and secondary structure determination of the ColE1 rop (rom) protein. *Biochemistry.* 1990 Aug 14;29(32):7402-7.
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28: Castagnoli L, Scarpa M, Kokkinidis M, Banner DW, Tsernoglou D, Cesareni G.

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 Genetic and structural analysis of the ColE1 Rop (Rom) protein. *EMBO J.* 1989 Feb;8(2):621-9.
PMID: 2721494 [PubMed - indexed for MEDLINE]

29: Banner DW, Kokkinidis M, Tsernoglou D,

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Structure of the ColE1 rop protein at 1.7 Å resolution.



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